



City of Allentown Stormwater Management Program

2021-2022 Annual MS4 Progress Report

MS4 NPDES PERMIT NO. PA0063665

Contents

Section	Page
1.0 Introduction	1
1.1 System Information	1
1.2 Regulatory Information	1
1.2.1 MS4 NPDES Permit	1
1.2.2 Stormwater Management Program Plan	1
1.2.3 Annual MS4 Progress Report	1
2.0 Reporting Requirements - Stormwater Management Program Elements	2
2.1 Source Identification	2
2.2 Monitoring and Discharge Characterization	5
2.3 Stormwater Management Program	6
2.5 Construction Site Runoff	6
2.8 Illicit Discharge Detection and Elimination (IDDE)	7
2.9 Spill Prevention and Response	7
2.10 Stormwater Infrastructure Management	8
2.11 Fiscal Analysis	9
2.12 Annual Progress Report	10
2.14 Public Education and Participation	11
3.0 Certification by Duly Authorized Representative	12
Appendix	13

1.0 Introduction

1.1 System Information

Permittee Name	City of Allentown
Mailing Address	435 Hamilton Street
City, State, Zip Code	Allentown, PA 18101
Municipality	City of Allentown
County	Lehigh County
MS4 Contact Person	Angela F. DiBuo
Title	MS4 Coordinator
Phone	610-437-7587
Email	Angela.DiBuo@allentownpa.gov
Receiving Waters	Cedar Creek, Little Cedar Creek, Jordan Creek, Little Lehigh Creek, Lehigh River, Unnamed Tributary to Lehigh River, Trout Creek, and an Unnamed Tributary to Trout Creek

1.2 Regulatory Information

1.2.1 MS4 NPDES Permit

The City of Allentown's (the City's) stormwater drainage system is regulated as a Phase I, Medium, Municipal Separate Storm Sewer System (MS4) through the National Pollutant Discharge Elimination System (NPDES) regulations issued by the Environmental Protection Agency in 1990. The City's current NPDES MS4 Individual Permit NO: PA0063665 was issued by the Pennsylvania Department of Environmental Protection (PaDEP) on 04/26/2004. The term of coverage is 04/26/2004 - 04/25/2009. The conditions have been administratively extended by PaDEP pending the issuance of the renewal of coverage.

1.2.2 Stormwater Management Program Plan

The City's Stormwater Management Program Plan (SWMPP) describes the City's plan to meet MS4 permit conditions, roles and responsibilities, and current best management practices (BMPs) which are evaluated against corresponding measures of effectiveness to assess and evolve the Stormwater Management Program. The SWMPP (dated May 2020) was updated and submitted to PaDEP on 06/05/2020 in accordance with 40 CFR 122.26 and Part A 8. c. (ii) of the permit.

1.2.3 Annual MS4 Progress Report

The City's 2021 - 2022 Annual MS4 Progress Report covers the reporting period of 04/26/2021 – 04/25/2022 and is due on 07/24/2022, which is 90 days after the end of each permit year. The report is organized following the structure of the Stormwater Management Program Plan. Each subsection of Section 2 is aligned to the appropriate section of the SWMPP for easy reference. BMPs are listed in each subsection based on the requirements set forth in the SWMPP for reporting annual data on progress. If a BMP is not listed in this document, it does not have an annual reporting requirement. All supporting documentation and/or additional information about our Stormwater Management Program is available upon request.

2.0 Reporting Requirements

Stormwater Management Program Elements

2.1 Source Identification

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
1.2	The City will continue to update its GIS layer of industries discharging to the MS4 to reflect changes identified in each annual reporting period. Industrial and commercial businesses operating within the City are categorized by SIC code. This information is accessible in the City's EDEN system for business information. The Fire Department has inventories of SARA Title III and HAZMAT locations.	Inventory of industrial sites submitted. Additions or deletions to the inventory submitted in subsequent Annual Reports.	See Table BMP ID 1.2 of new and closed businesses having industrial SICs below.

Table BMP ID 1.2 Additions and Deletions to Industrial Inventory					
New Business Licenses					
#	Business	Address	SIC	SIC Description	Receiving Water
1	Sbj Courier Services	1444 Hamilton St Allentown PA 18102	4215	Courier Services Except by Air	Jordan Creek
2	Legacy Trans LLC	239 E Lynnwood St Allentown PA 18103	4213	Trucking, Except Local	Little Lehigh Creek
3	Khallouf Mikael Driver	1708 E Greenleaf St Allentown PA 18109	4121	Taxicabs	Lehigh River
4	Salas Delivery	117 N 11th St Allentown PA 18102	4215	Courier Services Except by Air	Jordan Creek
5	Sasy Transportation	397 Turner St Allentown PA 18102	4214	Local Trucking With Storage	Jordan Creek
6	Lineage Logistics Services LLC	2645 Mitchell Ave Allentown PA 18103	4222	Refrigerated Warehousing	Trout Creek Tributary East
7	House Trabajo Casa Jobs	1328 S 10th St Allentown PA 18103	2842	Specialty Cleaning, Polishing	Trout Creek
8	J & L Cleaning and Repair Services LLP	2365 S Lumber St Allentown PA 18103	2842	Specialty Cleaning, Polishing	Trout Creek Tributary East
9	Mazi Water Ice & Treats	204 S 14th St Allentown PA 18102	2024	Ice Cream and Frozen Desserts	Little Lehigh Creek
10	E-Z Cab Service	2851 Klein St Allentown PA 18103	4121	Taxicabs	Trout Creek Tributary East
11	Redbird Logistics LLC	352 Green St Allentown PA 18102	4225	General Warehousing and Storage	Jordan Creek
12	Beauty Lives Within LLC	338 N 12th St Allentown PA 18102	2844	Perfumes, Cosmetics, and Other	Jordan Creek

#	Business	Address	SIC	SIC Description	Receiving Water
13	Marlex Trucking LLC	2481 S Church St Allentown PA 18103	4213	Trucking, Except Local	Trout Creek
14	Rampage Co	1205 MLK JR Drive Allentown PA 18102	4226	Special Warehousing and Storage	Little Lehigh Creek
15	Brothers Car Accessories Inc	1010 E Livingston St Allentown PA 18109	5015	Motor Vehicle Parts, Used	Lehigh River Tributary
16	Brethren Express LLC	35 N 14th St Allentown PA 18102	4212	Local Trucking without Storage	Little Lehigh Creek
17	Unipower LLC	2361 Sunshine Rd Allentown PA 18103	4911	Electric Services	Trout Creek Tributary West
18	J & J Elite Removal	772 N Jordan St Allentown PA 18102	4953	Refuse Systems	Jordan Creek
19	Lehigh Valley Movers And More	374 Green St Allentown PA 18102	4214	Local Trucking with Storage	Jordan Creek
20	Autopart International	1801 S 12th St Allentown PA 18103	5015	Motor Vehicle Parts, Used	Trout Creek
21	Xuyen T Le	415 N 15th St Allentown PA 18102	2389	Apparel and Accessories, NEC	Jordan Creek
22	Brave Heart Hauling LLC	510 Wyoming St Allentown PA 18103	4214	Local Trucking with Storage	Trout Creek
23	Pepsico Beverage Cales LLC	2099 Vultee St Allentown PA 18103	2086	Bottled And Canned Soft Drinks	Trout Creek
24	Mary Ann Donut Kitchen	1601 Liberty St Allentown PA 18102	2051	Bread And Other Bakery Product	Jordan Creek
25	Marina Vegas Beauty	27 S Lafayette St Allentown PA 18104	2844	Perfumes, Cosmetics, And Other	Cedar Creek
26	You Know The Vibes It's Shy's Ride	1133 Hamilton St Allentown PA 18101	4213	Trucking, Except Local	Jordan Creek
27	New Dawn Transport LLC	14 S Bradford St Allentown PA 18109	4213	Trucking, Except Local	Lehigh River
28	1022 Tattoo LLC	1022 S 10th St Allentown PA 18103	2759	Commercial Printing, NEC	Trout Creek
29	Yjc Logistics Inc	158 E Fairview St Allentown PA 18109	4213	Trucking, Except Local	Lehigh River
30	Tierra Santa Dispatch Company	210 S 17th St Allentown PA 18104	4213	Trucking, Except Local	Little Lehigh Creek
31	Lovely Mik Bags	2460 W Emmaus Allentown PA 18103	3171	Women's Handbags and Purses	Trout Creek
32	MC&G Trucking Inc	1101 Hamilton St Allentown PA 18101	4212	Local Trucking without Storage	Jordan Creek
33	Complete Routes LLC	1416 E Tremont St Allentown PA 18109	4212	Local Trucking without Storage	Lehigh River

Closed Business Licenses					
#	Business	Address	SIC	SIC Description	Receiving Water
1	Aetna Felt Corp	2401 W Emaus Ave Allentown PA 18103	2299	Textile Goods, NEC	Trout Creek Tributary East
2	Kings Of Subs	104 N 9th St Allentown PA 18102	2037	Frozen Fruits, Fruit Juices	Jordan Creek
3	Cam Truong Mfg Inc	915 Greenleaf St Allentown PA 18102	3999	Manufacturing Industries, NEC	Jordan Creek
4	Bows By Lisa Luann	1825 Chew St Allentown PA 18104	2389	Apparel and Accessories, NEC	Jordan Creek
5	Curry Bowl 97 Inc	931 Hamilton St Allentown PA 18101	2099	Food Preparations, NEC	Jordan Creek
6	From The Hearth	1825 Chew St Allentown PA 18104	2051	Bread and Other Bakery Product	Jordan Creek
7	Monarch Precast Concrete Corp	425 N Dauphin St Allentown PA 18103	3272	Concrete Products, Except Bloc	Lehigh River
8	Sumner Wholesale	915 Greenleaf St Allentown PA 18102	2086	Bottled and Canned Soft Drinks	Jordan Creek
9	Amaze Transport LLC	157 E Elm St Allentown PA 18109	4212	Local Trucking without Storage	Lehigh River

2.2 Monitoring and Discharge Characterization

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
2.2	The City will update and continue to implement a Dry Weather Screening Program as a component of the Monitoring and Discharge Characterization Plan and in coordination with the IDDE program. Annual dry screening of outfalls determined to be high risk for illicit discharge is based on the Monitoring and Discharge Characterization Plan.	Number of outfalls inspected.	121
		Number of illicit discharges identified.	3
2.3	The City will update and continue to implement a Wet Weather Screening Program as a component of the Monitoring and Discharge Characterization Plan. The City wet weather program is designed to support its Stormwater Discharge Characterization and industrial high-risk runoff programs as follows: a. The City actively monitors outfalls that have been identified as having a high potential to significantly contribute pollutants to the MS4 system. b. All sample collection is performed according to requirements of 40 CFR 122.21 (g)7 and as documented in Monitoring and Discharge Characterization Plan.	City will continue to provide a summary of the following for the reporting period: number of samples collected, and location of sampling sites by GIS reference. Sample results and parameters specific to sampling will be reported and maintained in accordance with BMP 2.1 and BMP 12.1.	See Table BMP ID 2.3 Monitoring Summary table below.

Table BMP ID 2.3 Monitoring Summary				
Monitoring Type	Sampling Station ID	Sampling Location	Sample Type	Receiving Water
Outfall screening	LCC4873L12.36	LCC4873-MH1	Grab	Little Cedar Creek
	LCC4840L10.63	LCC4840-MH1	Grab	Little Cedar Creek
	LCC3353L28.25	LCC3353L28.25	Grab	Little Cedar Creek
	LCC1207R22.58	LCC1207R22.58	Grab	Little Cedar Creek

2.3 Stormwater Management Program

BMP ID	Best Management Practice	Measure of Effectiveness	Reporting Requirement	2021-2022 Data Submission
3.1	The City will continue to maintain a Stormwater Management Program as defined in this Stormwater Management Program Plan (SWMPP).	Annually review progress of implementation of BMPs established in this SWMPP.	Available for review on site. Annually determine if BMPs should be changed and request in Annual Progress Report, as required.	Documentation of the annual assessment of BMPs is available upon request.
			Per Permit Part A 8.c. report: (i) the status of implementing components of the city's stormwater management program that are required in Part A (5) of this permit.	All BMPs established in the SMWPP have been implemented.
			(ii) proposed changes to the City's stormwater management. (iii) revisions, if necessary, to the controls required in Part A (6) and the fiscal analysis required in Part A (7) of this permit.	No changes to the SWMPP are requested in this Annual Progress Report.

2.5 Construction Site Runoff

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
5.2	The City will continue to enforce erosion & sediment control in compliance with Article 1385 of the City Code and in coordination with LCCD as documented in the MOU developed and maintained within BMP 5.1. Erosion and sediment control plans will be reviewed by LCCD as specified in the MOU to ensure that adequate controls required by ordinance are designed for the site. During construction, City inspectors will conduct routine inspections to ensure that erosion and sediment control practices are functioning as designed. In cases of noncompliance with the approved plans, the City will follow the Enforcement and Penalty sections of Article 1385 of the City Code.	Number of active construction sites	22
		Number of enforcement actions taken.	51* *Documented verbal warnings for corrective action.

2.8 Illicit Discharge Detection and Elimination (IDDE)

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
8.4	The City will continue to respond to complaints and to conduct a dry weather screening program to locate and eliminate illicit discharges. The City will also use its CCTV inspection Lateral Assessment Certification Program (LACP) to identify illegal connections to the storm sewer. The process for locating and eliminating an illicit discharge will be documented in the Monitoring and Discharge Characterization Plan (See BMP 2.1).	Number of complaints.	20*
			* <u>Type</u> Construction 1
			Commercial/ Industrial 4
			Residential 15
		Number of enforcement actions.	3*
			* <u>Type</u> Notice of Violation 3
		Number of cases referred to PaDEP.	0

2.9 Spill Prevention and Response

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
9.1	The City will maintain and implement a SPR SOP that addresses both the response to spills that may impact the MS4 and spill prevention and response on City owned and operated properties. This SOP will describe the responsibilities of both the Fire Department and the Stormwater Department. The SOP will include a spills and illicit discharge communication matrix. Discharges from private entities are regulated under Article 942 of the City Code - Storm Sewer Ordinance (see BMP 8.1).	Number of spills.	37
		Number of notifications made to PaDEP.	3

2.10 Stormwater Infrastructure Management

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
10.5	The City will continue to inspect City-owned BMPs on an annual basis. When maintenance of a City owned BMP is required, the maintenance staff will be notified, and a work order entered into Lucity for completion.	Number of inspections.	32
10.6	The City will continue to implement its program to ensure adequate operation and maintenance of post construction BMPs in coordination with LCCD as documented in the MOU developed and maintained as described in BMP 5.1.	Number of PCSM BMPs approved.	41
		Number of PCSM BMPs constructed.	15
10.7	The City will inspect privately maintained BMPs at least once every five years. Inspections will be documented for each facility. When maintenance of a privately maintained BMP is required, the City will send a corrective action letter, and follow up to ensure that the required maintenance is completed. Failure to maintain BMPs, will result in enforcement action. For facilities with operation and maintenance agreements, the agreement will continue to be the basis for enforcement action. For facilities constructed prior to the requirement for operation and maintenance agreements, Article 1387 of the City Code (Stormwater Management Ordinance) will continue to be used as a basis for enforcement action.	With each annual report, the City will provide a summary to include number of inspections,	36
		Number of corrective action letters sent,	19
		Number of enforcement actions.	0

2.11 Fiscal Analysis

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
11.2	The City will budget and authorize expenditures necessary to ensure compliance with the BMPs set forth in this Stormwater Management Program Plan, over the term of this permit.	With each Annual Progress Report, the City will provide a statement of fiscal sufficiency to meet the terms of this permit, and	See BMP ID 11.2 Statement of Fiscal Sufficiency below.
		provide a budget for SWMP activities during the reporting period.	See Appendix page 13 for Stormwater Program Budget Detail.

BMP ID 11.2 Statement of Fiscal Sufficiency

The City has adequate funding to implement the requirements of the MS4 permit. In January 2018, the City implemented a Stormwater Utility fee to fund all elements of stormwater management including compliance with the MS4 permit. Each budget year, a review is completed of the current accomplishments and funding status of major initiatives within the compliance program, such as the establishment of appropriate best management practices for operation of the MS4 system, oversight of the industries within the City, outfall inspections, and other key permit components. The Utility generates approximately \$5.7 million annually.

2.12 Annual Progress Report

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
12.2	The Annual MS4 Progress Report will be prepared following Part A 8. of the permit.	The City shall follow Permit Part A 8. for annual submittal of the Progress Report.	See Table BMP ID 12.2 below which includes the reporting requirements of Permit Part A 8.c. which are not already included under respective program elements of this report.

Identification of water quality improvements or degradation within the City's incorporated boundary.

Table BMP ID 12.2 Annual Progress Report Part A 8.c.(vii)		
Reductions in Pollutant Loading	Load Removals (if applicable)	Receiving Water
Infrastructure Management		
MS4 Maintenance		
Total Removed (grit, silt, garbage, leaves)	32,241 Cu. Ft.	6 Watersheds
Inlet cleaning program	29,546 Cu. Ft./ 808 Inlets	All (City-wide)
Safety Grate cleaning	2,695 Cu. Ft./ 15 Grates	All (City-wide)
Sweeping Program		
Total Removed (grit, silt)	384,119 Cu. Ft.	6 Watersheds
Broom sweeper fleet (grit, silt)	298,389 Cu. Ft.	All (City-wide)
Regenerative air sweeper fleet (grit, silt)	85,730 Cu. Ft.	All (City-wide)
	12,973 Cu. Ft.	TMDL Area Little Cedar Creek
	17,604 Cu. Ft.	Municipal Properties
Watershed Protection		
Between 05/01/2021-04/23/2022, the Bureau of Recycling & Solid Waste organized 37 volunteer litter clean ups throughout various wards across the City and collected 629 bags of trash and debris.	4,044 Cu. Ft.	All (City-wide)
On 09/21/2021, the Bureau of Recycling & Solid Waste performed clean-up of an illegal dump site in the 6 th Ward.	6 Tons	Jordan Creek Lehigh River
On 10/23/2021, the Allentown Health Bureau and Allentown Police Department sponsored "Take Back Drug Day(s)" when expired and unused medications are collected and kept out of unwanted hands and the sanitary sewer system.	N/A	Lehigh River


2.14 Public Education and Participation

BMP ID	Best Management Practice	Reporting Requirement	2021-2022 Data Submission
14.1	The City will continue to provide public education and outreach during the term of this permit. Key focus areas may include: <ul style="list-style-type: none"> • youth outreach • commercial and industrial outreach strategies • strategies to address specific sources of pollutants identified by the City. 	Summary of outreach activities: number of events, target audience for each, number of materials distributed.	See Table BMP ID 14.1 below.

Date(s)	Activity or Event	Target Audience	# of Materials Distributed
07/21/2021	Facebook Post – MS4 versus sanitary sewer system description.	General Public.	N/A
08/28/2021	Family Field & Fun Day Event. Hosted booth featuring stormwater model and water quality testing activity.	City Employees & Families. (25)	20
09/17/2021	Stormwater Webpage Post – Fall Seasonal Stormwater Tip about City's leaf removal program.	General Public.	N/A
01/06/2022	Stormwater Webpage Post – Winter Seasonal Stormwater Tip about proper deicing practices.	General Public.	N/A
02/02/2022	Facebook Post – Impervious area reduction.	Property Owners. Utility Rate Payers.	N/A
03/09/2022	Freedom High School Career Day.	High School Students. (500)	150
03/11/2022	Facebook Post – Video advertising Stormwater jobs.	General Public	N/A
03/16/2022	Stormwater Webpage Post – Spring Seasonal Stormwater Tip about pet waste disposal.	Pet Owners.	N/A
03/17/2022	Facebook Post – Proper sewer connections.	Property Owners.	N/A
03/21/2022	Muhlenberg College lecture & field sampling class.	College Students & Professor (13)	12
03/22/2022	Facebook Post – Advertisement for Stormwater offering classes or field presentations.	Educational Institutions. Community Groups.	N/A
03/28/2022	Facebook Post – Opening day of trout season & reporting illicit discharge from outfalls.	General Public.	N/A
04/15/2022	Facebook Post – Spring yard excavation and erosion & sediment control measure implementation.	General Public. Contractors. Landscapers.	N/A

Date(s)	Activity or Event	Target Audience	# of Materials Distributed
04/19/2022	Lehigh County Envirothon Event. Assisted with Aquatics station.	High School Students. (70)	60
04/21/2022	Lehigh County Envirothon Event. Hosted Aquatics Station, covering topics of the chemical/physical properties of water, pollution and stormwater runoff issues, aquatic organisms, and water resource management and protection.	Grade School Students. (80)	N/A
04/23/2022	Earth Day Event. Hosted booth featuring stormwater model, water quality testing activity & CCTV truck.	General Public.	120
04/26/2021 04/25/2022	Installed "No Dumping, Drains to River" decals.	General Public.	1,367

3.0 Certification by Duly Authorized Representative

Certification
<p>"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."</p>  <p>Matthew Tuerk Mayor</p> <p>Mayor's Office City of Allentown 435 Hamilton Street Allentown, PA 18101 Matt.Tuerk@allentownpa.gov 610-437-7546</p> <p>07/15/2022</p> <p>Date</p>

APPENDIX

City of Allentown Stormwater Program Budget Detail

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER

Account Number	2021 Budget	2021 Adj. Budget	2021 A&E	2022 Budget
086-3185 Interest	11,000	11,000	11,000	11,000
Line Item Detail				
1 Interest income				11,000.00
		Line Items Total		11,000.00
086-3189 STATE AID PENSION	138,181	138,181	138,181	164,095
Line Item Detail				
1 State Aid - Pension				164,095.00
		Line Items Total		164,095.00
086-3630 STORMWATER FEE	5,547,600	5,547,600	5,547,600	5,575,338
Line Item Detail				
1 Stormwater Fee (based on trend)				5,575,338.00
		Line Items Total		5,575,338.00
086-3631 STORMWATER FEE - PRIOR YEARS	150,000	150,000	150,000	150,000
Line Item Detail				
1 Prior Year Stormwater Fee Collections				150,000.00
		Line Items Total		150,000.00
086-6300 COLLECTION FEES - PRIOR YEAR	5,000	5,000	5,000	5,000
Line Item Detail				
1 Collection Fees				5,000.00
		Line Items Total		5,000.00
Total STORMWATER	5,851,781	5,851,781	5,851,781	5,905,433

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE**

<i>Account Number</i>	<i>2021 Budget</i>	<i>2021 Adj. Budget</i>	<i>2021 A&E</i>	<i>2022 Budget</i>
0001-02 PERMANENT WAGES	586,298	634,754	634,754	642,439
0001-06 PREMIUM PAY	9,500	9,500	9,500	0
0001-08 LONGEVITY	5,323	5,323	5,323	5,652
0001-11 SHIFT DIFFERENTIAL	950	950	950	0
0001-12 FICA	44,709	44,709	44,709	54,511
Line Item Detail				
1 FICA				54,510.92
		Line Items Total		54,510.92
0001-14 PENSION	59,775	59,775	59,775	69,409
Line Item Detail				
1 PENSION				69,409.20
		Line Items Total		69,409.20
0001-15 Employee - Health Insurance Opt Out	0	865	866	1,508
0001-16 INSURANCE - EMPLOYEE GRP	200,164	200,164	200,164	213,746
Line Item Detail				
1 INSURANCE				213,746.40
		Line Items Total		213,746.40
0001-26 PRINTING	0	0	0	600
Line Item Detail				
1 Environmental Signs				600.00
		Line Items Total		600.00
0001-28 MILEAGE REIMBURSEMENT	50	50	50	100
Line Item Detail				
1 MILEAGE / TURNPIKE TOLLS				100.00
		Line Items Total		100.00
0001-32 PUBLICATIONS & MEMBERSHIP	480	480	480	480
Line Item Detail				
1 APWA MEMBERSHIP				180.00
2 AWWA MEMBERSHIP				100.00
3 WATER LICENSING AND RENEWAL				100.00
4 PA PE LICENSE RENEWAL				100.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE

<i>Account Number</i>	<i>2021 Budget</i>	<i>2021 Adj. Budget</i>	<i>2021 A&E</i>	<i>2022 Budget</i>
		Line Items Total		480.00
0001-34 TRAINING & PROF. DEVELOP	4,205	4,205	2,705	4,780
Line Item Detail				
1 AWWA EASTERN CONFERENCE				200.00
2 Water License Training				500.00
3 MS4 Training				1,700.00
4 Mileage for approved training				150.00
5 Industrial Site (SWMPPP) Training				2,230.00
		Line Items Total		4,780.00
0001-42 REPAIRS & MAINTENANCE	500	500	500	500
Line Item Detail				
1 Risk Management Vehicle Claims				500.00
		Line Items Total		500.00
0001-44 LEGAL SERVICES	65,000	65,000	45,000	105,000
Line Item Detail				
1 Legal Services for Stormwater Fee Disputes				65,000.00
2 NPDES Permit				40,000.00
		Line Items Total		105,000.00
0001-46 OTHER CONTRACT SERVICES	341,280	342,672	182,780	359,000
Line Item Detail				
1 LAB SAMPLE - ANNUAL CONTRACT				30,000.00
2 Pollution Reduction Strategy for Impaired Waterways				100,000.00
3 Stormwater Management program support services				125,000.00
4 NPDES Permit Consultation (EPA, DEP) & Permit renewal				50,000.00
5 ENGINEERING CONSULTATION (GRANT TECHNICAL ASSISTANCE, VALUE ENGINEERING)				5,000.00
6 Stormwater BMP design assistance				10,000.00
7 Real Estate / BP Tax System Update				25,000.00
8 Microfiche Conversion (STM portion)				6,000.00
9 Advertising for grants & events (radio, newspaper, etc.)				2,000.00
10 Annual Admins Maintenance				6,000.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE**

<i>Account Number</i>	<i>2021 Budget</i>	<i>2021 Adj. Budget</i>	<i>2021 A&E</i>	<i>2022 Budget</i>
		Line Items Total		359,000.00
0001-50 OTHER SERVICES & CHARGES	8,165	8,165	8,165	8,065
<i>Line Item Detail</i>				
1 NPDES Annual Permit Fee				500.00
2 Stormwater Utility Lien Fees				7,565.00
		Line Items Total		8,065.00
0001-54 REPAIR & MAINT SUPPLIES	45,000	46,280	15,000	45,000
<i>Line Item Detail</i>				
1 Industrial Filterized Inlets				40,000.00
2 Media Replacement for Filterized Inlets				5,000.00
		Line Items Total		45,000.00
0001-56 UNIFORMS	1,075	1,159	1,075	465
<i>Line Item Detail</i>				
1 SAFETY SHOES				465.00
		Line Items Total		465.00
0001-66 CHEMICALS	800	800	800	800
<i>Line Item Detail</i>				
1 WATER SAMPLING CHEMICALS				800.00
		Line Items Total		800.00
0001-68 OPERATING MATERIALS & SUPP	50,970	50,970	50,970	49,500
<i>Line Item Detail</i>				
1 Materials for Municipal Employee Training Program				6,000.00
2 Materials for Industrial Monitoring Program				15,000.00
3 Materials Public Outreach Program				20,000.00
4 PERSONAL PROTECTIVE EQUIPMENT				500.00
5 Laboratory Supplies				8,000.00
		Line Items Total		49,500.00
0001-72 EQUIPMENT	58,095	58,095	58,095	41,400
<i>Line Item Detail</i>				
1 Laptop setup for new employee				1,400.00
2 Housing for sampling station				2,000.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE**

Account Number	2021 Budget	2021 Adj. Budget	2021 A&E	2022 Budget
Line Item Detail				
3 SUV - FORD EXPLORER				38,000.00
		Line Items Total		41,400.00
0001-76 CONSTRUCTION CONTRACTS	0	354,721	354,721	0
0001-86 GENERAL CITY CHARGES	378,414	378,414	378,414	397,335
Line Item Detail				
1 General City Charges				397,335.00
		Line Items Total		397,335.00
0001-88 INTERFUND TRANSFERS	166,800	2,166,800	166,800	197,744
Line Item Detail				
1 Risk Fund - Property and Casualty				197,744.00
		Line Items Total		197,744.00
0001-90 REFUNDS	224,436	223,571	154,436	225,000
Line Item Detail				
1 Incentive Program for GSI				100,000.00
2 Credit Support Program				70,000.00
3 Refunds due to over payment of utility fee				55,000.00
		Line Items Total		225,000.00
Total REGULATORY COMPLIANCE	2,251,989	4,657,922	2,376,032	2,423,034

PROGRAM DETAIL

Bureau: Stormwater	No: 086-03-0815	Department: Public Works	Program: Regulatory Compliance	Program No: 0001
------------------------------	---------------------------	------------------------------------	--	----------------------------

Program Description:

The Stormwater Management Program (SWMP) is required by the US Environmental Protection Agency's 1990 Phase I regulation and is promulgated through a PaDEP issued National Pollutant Discharge Elimination System permit, issued to the City. The programs mandated by the permit include the requirement to control pollutants in the discharges from the Municipal Separate Storm Sewer System (MS4). The SWMP includes many programs related to stormwater discharges which act to mitigate pollutants from industrial and commercial activities, illicit dumping and property connections, erosion and sediment from construction sites, spill incidents, and City properties and operations. Other mandated functions include post construction stormwater management planning and inspections, community education and outreach, watershed planning, and water quality monitoring. Program Activities include: administration and implementation of the stormwater utility program and oversight of the execution of required components and plans; provision of regulatory expertise; interfacing with federal, state, and local regulatory authorities related to administration of the permit; judicial enforcement of City ordinances; customer service; planning; capital improvement projects oversight; continual assessment and reporting of programs' effectiveness; regulatory communications related to spill response, complaints, field inspections; employee training; land development reviews; monitoring water quality and stormwater discharge; and coordination and assistance for all city operations.

Goal(s):

The goal of the Stormwater Management Program (Regulatory Compliance) is to maintain City compliance with the Clean Water Act through the implementation and continual development of plans and programs that protect and improve the water quality of stormwater discharged to the waterways flowing through Allentown. Long-range goals of the program include developing a pollution prevention and training program for all City operations and sites, assessing and addressing stream impairments, and educating and partnering with our community to reduce environmental impacts and promote sustainability.

Measurable Budget Year Objectives and Long-Range Targets:

- Maintain and address all ratepayer assessments and concerns.
- Study and address the sources of the impairments of local streams by identifying pollutant load contributions.
- Develop a Watershed Restoration Strategy to include Green Infrastructure capital planning.
- Manage and submit required and annual reporting for NPDES permit with no administrative violations of permit requirements.
- Develop pollution prevention plans for all City operations and sites.
- Implement a City-wide training and awareness program for municipal employees.
- Develop an Industrial High-Risk Runoff Inspections Program.
- Expand the scope of the Water Quality Monitoring Plan by including in-stream and industrial site sampling components.
- Develop a Community Engagement Program to provide funding for residents, groups and businesses which voluntarily undertake stewardship projects.
- Increase public awareness of stormwater pollution and partner with our community to reduce environmental impacts and promote sustainability.

Impact/Output Measures:	2018 Actual	2019 Actual	2020 Actual	2021 Estimated	2022 Target
Compliance with submission requirements of MS4 NPDES Permit, %	100	100	100	100	100
Enforcement - Pollution Violations & Outreach Notifications	5	16	14	14	40
Land Development Plan Reviews	48	52	82	104	120
Pollution Complaint Response & Field Investigations	28	18	33	13	40
Pollution Prevention Field Audits – Industrial & Municipal Facilities	0	6	4	25	40
Private & Public Stormwater Facility Inspections	75	55	98	174	165
Public Education Events & Activities	15	13	2	10	20
Regulatory Notification/ Reporting - Pollution & Spill Response	9	8	21	5	30
Utility Fee Billing – Appeals & Credit Reviews	28	26	26	2	40
Utility Fee Billing - Customer Inquiry Response	174	77	23	15	30
Locations Sampled (System, Industrial, Stream)	0	0	26	04	29

Budget Priorities:

- To obtain the resources needed to implement and maintain state and federally required program components of the Clean Water Act.
- To fully implement an Industrial High-Risk Runoff Inspections Program.
- To further develop a sampling and monitoring program with the addition of an Environmental Compliance Specialist.
- To test the efficiency of pollutant removal by City owned stormwater management facilities for the purpose of identifying retrofit opportunities.
- To develop new educational programs and environmental outreach activities for school children, college students, commercial property owners, and residents.
- To develop a routine awareness training program for City staff and operations personnel.
- To further implement improvements and pollution prevention plans for municipal properties.

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE

Account Number	2021 Budget	2021 Adj. Budget	2021 A&E	2022 Budget
0002-02 PERMANENT WAGES	1,472,828	1,467,342	1,472,828	1,448,048
Line Item Detail				
1 Vacancy Factor			-58,238.00	
		Line Items Total	-58,238.00	
0002-04 TEMPORARY WAGES	25,000	25,000	25,000	35,000
Line Item Detail				
1 SUMMER HELP			7,000.00	
2 SUMMER HELP			7,000.00	
3 SUMMER HELP			7,000.00	
4 SUMMER HELP			7,000.00	
5 SUMMER HELP			7,000.00	
		Line Items Total	35,000.00	
0002-06 PREMIUM PAY	123,850	123,798	123,850	123,850
Line Item Detail				
1 OVERTIME, STANDBY, CALL IN (Bargaining)			104,850.00	
2 OVERTIME, STANDBY, CALL IN (supervisory)			19,000.00	
		Line Items Total	123,850.00	
0002-08 LONGEVITY	18,149	18,122	18,149	18,068
0002-11 SHIFT DIFFERENTIAL	12,385	12,384	12,385	12,385
Line Item Detail				
1 OT SHIFT DIFFERENTIAL (Bargaining)			10,485.00	
2 OT SHIFT DIFFERENTIAL (Supervisory)			1,900.00	
		Line Items Total	12,385.00	
0002-12 FICA	120,905	120,479	120,905	136,483
Line Item Detail				
1 FICA			136,483.42	
		Line Items Total	136,483.42	
0002-14 PENSION	200,016	200,016	200,016	223,927
Line Item Detail				
1 PENSION			223,927.30	
		Line Items Total	223,927.30	

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE**

Account Number	2021 Budget	2021 Adj. Budget	2021 A&E	2022 Budget
0002-16 INSURANCE - EMPLOYEE GRP	669,778	669,778	669,778	689,587
Line Item Detail				
1 HEALTH INSURANCE				689,586.60
		Line Items Total		689,586.60
0002-26 PRINTING	120	120	120	120
Line Item Detail				
1 Printing costs - (Storm Ops Office F9353)				120.00
		Line Items Total		120.00
0002-28 MILEAGE REIMBURSEMENT	50	50	50	75
Line Item Detail				
1 MILEAGE / TURNPIKE TOLLS				75.00
		Line Items Total		75.00
0002-30 RENTALS	184,115	184,115	159,115	224,115
Line Item Detail				
1 Misc rental equipment (as needed)				15,000.00
2 Radio System Upgrade (payment 5 of 5)				45,308.00
3 Vactor Lease Payment (payment 3 of 5)				98,806.91
4 1 mo. Crusher Rental (Balance of month budgeted in 085-03-8005-0003-)				25,000.00
5 Paving Machine Lease payment				40,000.00
		Line Items Total		224,114.91
0002-32 PUBLICATIONS & MEMBERSHIP	1,180	1,180	1,180	1,080
Line Item Detail				
1 APWA MEMBERSHIP				180.00
2 WATER LICENSING AND RENEWAL				100.00
3 CDL Drivers License Reimbursement				800.00
		Line Items Total		1,080.00
0002-34 TRAINING & PROF. DEVELOP	17,040	17,040	7,125	19,540
Line Item Detail				
1 NASSCO CONGRESS & EXPO				590.00
2 AWWA EASTERN CONFERENCE				200.00
3 NASSCO Certification (initial)				2,925.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE**

Account Number	2021 Budget	2021 Adj. Budget	2021 A&E	2022 Budget
Line Item Detail				
4 NASSCO RE-CERTIFICATIONS				7,800.00
5 STORMWATER INITIAL CERTIFICATION				3,400.00
6 OFFICE TRAINING				250.00
7 Water License Training				800.00
8 MS4 Training				2,000.00
9 Vegetative Maintenance (category 10, category 23 and core)				1,500.00
10 Mileage for approved training				75.00
		Line Items Total		19,540.00
0002-42 REPAIRS & MAINTENANCE	23,000	23,000	23,000	15,000
Line Item Detail				
1 EQUIPMENT REPAIRS				4,000.00
2 RISK MANAGEMENT VEHICLE CLAIMS				3,000.00
3 LARGE STORM GRATE REPAIR (Cedar Crest College)				8,000.00
		Line Items Total		15,000.00
0002-46 OTHER CONTRACT SERVICES	24,260	24,260	24,260	27,094
Line Item Detail				
1 EQUIPMENT REPAIR/ADD ON (CONTRACTED)				6,000.00
2 ACCU WEATHER RAIN, HIGH-WIND, SNOW SERVICE (1/2 pd in Streets)				4,134.38
3 Weather Works				1,500.00
4 EMERGENCY SPILL CLEAN-UP				10,000.00
5 GPS - Annual Service / Samsara				4,200.00
6 Camera - Annual Service / Samsara				1,260.00
		Line Items Total		27,094.38
0002-54 REPAIR & MAINT SUPPLIES	77,250	77,250	65,050	70,050
Line Item Detail				
1 Repair Parts: Brick, Block, Cement, Vulclay				10,000.00
2 HAND TOOLS				2,000.00
3 RUBBERIZED CRACKSEAL ROLLS				300.00
4 STORM TRUCK SUPPLIES				1,000.00
5 INLET PROTECTORS				6,500.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE**

Account Number	2021 Budget	2021 Adj. Budget	2021 A&E	2022 Budget
Line Item Detail				
6 SILT SOXX; Swales Outfalls, emergency				5,000.00
7 FLEX-TUBE 6" & 8" EXTENSION HOSE				250.00
8 FLOWFILL / CONCRETE CONTRACT				45,000.00
		Line Items Total		70,050.00
0002-56 UNIFORMS	11,373	11,373	11,373	12,813
Line Item Detail				
1 SERVICEWEAR UNIFORMS (Current)				7,480.00
2 SERVICEWEAR UNIFORMS (New Hires)				1,458.00
3 SAFETY SHOES				3,875.00
		Line Items Total		12,813.00
0002-62 FUELS, OILS & LUBRICANTS	50,000	90,000	50,000	51,500
Line Item Detail				
1 Fleet Fuel contribution				51,500.00
		Line Items Total		51,500.00
0002-64 PIPE & FITTINGS	73,000	73,000	64,000	73,000
Line Item Detail				
1 STORM PIPING				25,000.00
2 MANHOLE RISERS				15,000.00
3 CASTING				5,000.00
4 INLET RISERS				5,000.00
5 INLET GRATES				5,000.00
6 24" SOLID LIDS				5,000.00
7 INLET BOXES				9,880.00
8 C-SPACERS, L-SPACERS				3,000.00
9 25-BENDS, 22-BENDS				120.00
		Line Items Total		73,000.00
0002-66 CHEMICALS	4,740	4,740	4,740	4,740
Line Item Detail				
1 DEGREASER				500.00
2 DISTILLED WATER				40.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE

Account Number	2021 Budget	2021 Adj. Budget	2021 A&E	2022 Budget
Line Item Detail				
3 SPRAYING CHEMICALS				4,000.00
4 LEAK & LOCATION DYE				200.00
		Line Items Total		4,740.00
0002-68 OPERATING MATERIALS & SUPP	31,350	31,350	28,350	31,350
Line Item Detail				
1 VEHICLE FIRE EXTINGUISHERS				300.00
2 FIRST AID SUPPLIES				750.00
3 ROADWAY SAFETY SIGNS				2,000.00
4 TONER FOR TV TRUCK PRINTER				600.00
5 PLASTIC BARRICADE/CONES				2,500.00
6 CUES ANNUAL SERVICE				8,000.00
7 PA1 Marking Paint & Flags (Green)				3,000.00
8 PERSONAL PROTECTIVE EQUIPMENT				6,000.00
9 Safety Shoring				8,200.00
		Line Items Total		31,350.00
0002-72 EQUIPMENT	267,500	267,500	267,500	405,500
Line Item Detail				
1 Computer repair parts (STM / EOC)				500.00
2 Dog House (for sampling station)				2,000.00
3 F-550 w/ V plow & spreader				100,000.00
4 Backhoe				138,000.00
5 85G Excavator w/ arm mower attachment				165,000.00
		Line Items Total		405,500.00
0002-76 CONSTRUCTION CONTRACTS	700,000	700,000	700,000	550,000
Line Item Detail				
1 Construction Contracts				300,000.00
2 Emergency Line Repairs				100,000.00
3 Alton Park Drainage Project				150,000.00
		Line Items Total		550,000.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086	STORMWATER				
03	PUBLIC WORKS				
0815	STORMWATER				
Total	STORMWATER MAINTENANCE	4,107,889	4,141,897	4,048,774	4,173,325

PROGRAM DETAIL

Bureau: Stormwater	No: 086-03-0815	Department: Public Works	Program: Maintenance	Program No: 0002
------------------------------	---------------------------	------------------------------------	--------------------------------	----------------------------

Program Description:

Stormwater (Maintenance) provides specific activities designed to maintain and repair the stormwater infrastructure and support the Stormwater Management Program (SWMP) and MS4 NPDES permit compliance through inspection, reporting and response to incidents that threaten to pollute the streams in the City. Program activities include daily inspection, construction, maintenance, repair, and replacement of all components of the municipal separate storm sewer system (MS4). Emergency services are provided 24 hours a day, 7 days a week, in response to environmental incidents and infrastructure issues. Additional activities include community outreach, customer response, enforcement of City ordinances, and maintenance of existing best management facilities and practices including retention basins, vegetative swales, and rain gardens.

Goal(s):

The goal of the Stormwater Management Program (Maintenance) is to maintain all components of the stormwater infrastructure to reduce flooding and negative environmental impacts on streams, and to increase public safety. Long-range goals of the program include replacing and upgrading aged infrastructure; and installing green infrastructure to treat and improve the quality of stormwater discharge. The program strives to prevent and reduce pollution from entering the MS4 through timely responses to spill and environmental pollution complaints and incidents.

Measurable Budget Year Objectives and Long-Range Targets:

- Improve and protect stormwater infrastructure by assessing pipe integrity and repairing through installation of liner.
- Rehabilitate and maintain all system components.

Impact/Output Measures	2018 Actual	2019 Actual	2020 Actual	2021 Estimated	2022 Target
Complaints - Pollution/ Drainage	20	13	07	11	30
Inlets - Debris Removed (cubic feet)	45,640	22,656	22,172	24,892	32,000
Inlets Repaired	126	190	159	160	200
Inlets Vacuumed	1,123	729	593	513	1,000
Manholes Repaired	-	17	15	8	15
Outfall/ Illicit Discharge Inspections	207	181	296	113	300
Salt Storage Commercial Site Inspections	30	50	109	90	100
Spill Response Incidents	31	23	35	24	40
Stormwater Pipes Lined (linear feet)	3,035	3,008	4,874	3,685	5,000
Stormwater Pipes Televised (linear feet)	53,097	56,000	60,913	59,107	80,000

Budget Priorities:

- To install 1,200 feet of pipe and numerous structures in Alton Park area.
- To complete 5,000 feet of storm pipe lining.